CLASSIFIED MESSAGE

SECRET

ROUTING

2	C/OO	4	
3		5	
		6	

DATE 0205Z 19 OCT 62

2E19

TO : DIRECTOR

25X1 FROM : [redacted]

ACTION: OSA (1-2-3-4-5-6-7-8-9-10)

INFO : S/C (11)

PRIORITY

TOR: 0242Z 19 OCT 62

IN 52480

25X1 TO PRITY [redacted] INFO CITE [redacted] 6502 25X1

25X1 [redacted]

NO NITE ACTION

49 minutes

1. ARTICLE NUMBER ONE TOOK OFF AT 1530 HOURS AREA TIME 18 OCTOBER ON FLIGHT NUMBER 39, [redacted] PILOT. GROSS WEIGHT 86,000 POUNDS, CG 20.7 PERCENT AFT. TAKEOFF IN AB, DURING ROLL FUEL LOW PRESSURE WARNING LIGHTS CAME ON FOR BOTH ENGINES, PILOT MANUALLY SELECTED TANKS NUMBER TWO AND NUMBER SIX TO AUGMENT NUMBER ONE AFTER AIRBORNE. PROBLEM CORRECTED, BACK INTO BURNER AND CLIMB ON OUT TO 45,000 FEET, ATTEMPTED TO ACCELERATE, UNABLE TO DO SO WITHOUT DESCENDING, DOWN TO 38,000 FEET TO GET UP TO MACH 1.15 MAXIMUM. PROBLEM ON J-58 OUTPUT POSSIBLE DUE TO FUEL CONTROL FLOW SCHEDULING, COKING OF SPARY BARS OR ANY OF A NUMBER OF OTHER REASONS, PROBLEM BEING STUDIED AND REASON WILL BE FORWARDED WHEN KNOWN. PILOT TOOK ADDITIONAL READINGS TO SEE HOW TRIMMER WORKED ON FUEL CONTROL LAC SUSPECTS IT NOT WORKING PROPERLY THIS FLIGHT. ROUTINE LET DOWN AND DOWNWIND LANDING ON RUNWAY 32, CHUTE GOOD.

Δ ends 25X1

w/o Hoohoo

SECRET

GROUP 1
Excluded from automatic downgrading and declassification

 Copy No.

SECRET

25X1 [redacted] (IN 52480) PAGE TWO

2. THIS FIRST FLIGHT WITH HOO HOO VALVE OUT, IT WAS CONSIDERABLE IMPROVEMENT SINCE IT NARROWED NOZZLE FLUXUATION BAND TO VERY SMALL RPM REGION WHEN DECELERATING FLUXUATION STARTED AT ABOUT 6300 RPM AND QUIT AT 6200 RPM, NO FLUXUATION ACCELERATING. DESIRED FLIGHT OBJECTIVES NOT ACHIEVED. 19 OCTOBER SCHEDULE DEPENDENT UPON DATA FROM READOUT TO DETERMINE WORK NEEDED. TENTATIVELY SCHEDULED FOR NEXT FLIGHT AFTERNOON OF THE 19 OCTOBER 62.

END OF MESSAGE

1. 38 K

2. $T = 390\ ^\circ R$

3. M 1.15

4. $\frac{T}{T_0} = .791$; $T_0 = \frac{390}{.791} = 493^\circ R$

$-\ 4.60$

$33^\circ F$

5. $T_{tz} \geq 33^\circ F$

6. N = 6430 rpm Military

$\frac{6300}{6430} = 98\%$ N actual; $\frac{6300}{7800} = 81\%$ N indicate

SECRET